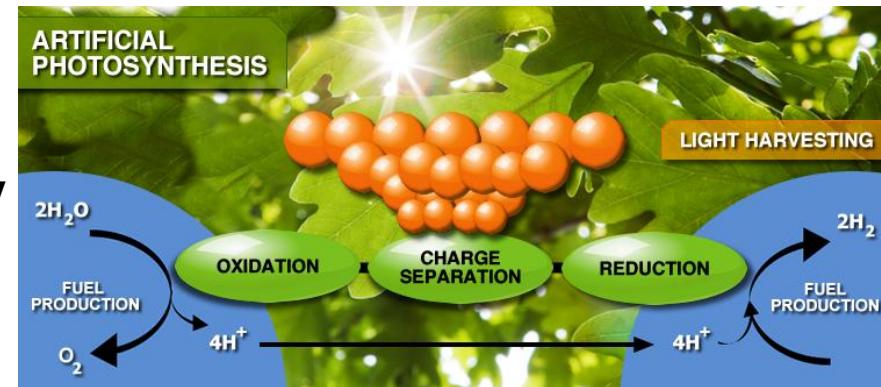




**Summary statement:** Research in Solar Fuels and Photovoltaics will integrate light absorption and electron transfer driven catalysis in structurally controlled molecular assemblies and composite materials to create efficient devices for solar energy conversion through artificial photosynthesis.



### RESEARCH PLAN AND DIRECTIONS

We will combine the best features of academic and translational research to study light/matter interactions and chemical processes for the efficient collection, transfer, and conversion of solar energy into chemical fuels.